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EPE News

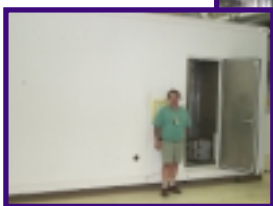
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The MOVER System

MOVER — Mobile Visual Examination and Repackaging System.

Significant modifications to the glovebox line were made.



Bob Romero outside of the MOVER system transportainer.

The ESA-EPE Automation and Robotics team and the Process Controls team, along with the Environmental Science and Waste Technology

Division's Environmental Technology group (EET), are working on the completion phase of the prototype Mobile Visual Examination and Repackaging (MOVER) system. The MOVER system will be delivered to the Waste Isolation Pilot Plant (WIPP) outside of Carlsbad, NM by the end of September 2000.

The system will be used at waste generation sites to visually and mechanically sort waste according to the Waste Acceptance Criteria (WAC) for WIPP. The system includes a series of gloveboxes put together in a "glovebox line." Within the glovebox line, 55-gal. containers of waste are unloaded, visually and mechanically sorted, and then analyzed to determine the level of radioactivity. The waste is then repackaged in new acceptance barrels and shipped to the WIPP site.

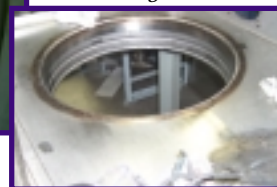
The EPE teams are responsible for bringing the transportable waste sorting system to completion by making it a low-level rad facility that meets authorization basis

guidelines. The MOVER project involves design and modification to many of the engineering systems within an existing large transportainer. The team found that manipulating the 55-gal. containers within the facility so that the barrels could be safely and accurately connected to the internal glovebox line was a significant challenge. As well, facilitating manual waste sorting and upgrading the control and design of an inadequate ventilation system were challenging. Some of the modifications that are being made to this system include the addition of ventilation air flow and pressure change sensors, continuous air monitors (CAMs), door position indicators, a small crane within the glovebox, and the infrastructure for a non-destructive analysis (NDA) system. The A&R team feels that there are many functions within this system that could be automated in future MOVER systems to reduce worker exposure to potential hazards.



View of the glovebox line within the MOVER.

Bagout port where sorted waste is placed in 55-gal. containers.



Security Begins with You

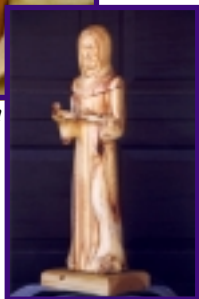
BADGE AWARENESS – Don't forget to take off your badge and put it away when you are not on Lab property.

If you leave your badge in the car, it should be tucked away where it is not visible.

A Santero Among Us



Tom Sena



San Francisco – Private Collection
29.5" x 9.0" x 7.0"

Tom Sena's talents go far beyond his technical work for EPE's Thermal Engineering Team. For many years, Tom has been an avid woodworker, primarily focusing his energy and talent on making furniture. Recently though, he has pursued a new woodworking

craft—carving santos (saints). His natural gift for working with wood has led him to become an aspiring santero, or saint maker. Tom's path toward becoming a santero began about 4 years ago, when a close friend asked him to help on a piece that had been commissioned by a local church. The piece was a Cristo Entiero (Christ in the Tomb), which required a large tomb or carrier for the Christ figure. Tom's friend asked him if he would make the carrier (cajon) for him. From



Nacimiento
20.0" x 20.75" x 14.0"

there, his friend encouraged him to try carving bultos, or sculptures, of the saints. Tom took the challenge and began his work as a santero.

Tom Sena, an avid woodworker, has found a new craft — carving Santos.

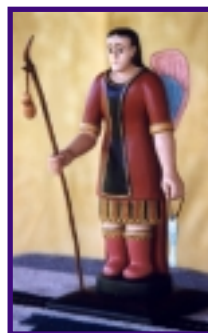
Beyond a few hints from his friends and research in many books about santeros and santos, Tom is self-taught in this special art.

Tom uses primarily aspen or juniper for his carvings, which range in size from 10 inches to 6 feet. He leaves some of his santos unpainted so that the natural beauty of the wood grain can be appreciated. Others, he paints with acrylics. He is also looking into watercolor painting techniques for wood.

Tom's most recent achievements as a santero include an article in the Fall 1999 edition of Tradición Revista and a place in the Spanish Market, a much

respected venue for native New Mexican artists, which has been taking place for the past 35 years on the Santa Fe Plaza. The Market is juried and quite difficult to get into. Tom's work was featured both in the summer and the winter markets of 1999.

Tom also does commissioned work, but he chooses most of his pieces for his own interest and satisfaction.



San Rafael Arcangel
12.5" x 6.0" x 5.5"

September

					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
Sun	Mon	Tue	Wed	Thu	Fri	Sat

October

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				
Sun	Mon	Tue	Wed	Thu	Fri	Sat

- Sept 4 Labor Day Holiday
- Oct 3 Group Meeting - MSL Auditorium
- Oct 9 Columbus Day Holiday

Safety for you . . .

School has begun and kids of all ages are out in force.

Raise your awareness when driving around town during the day. Watch for children playing near or on the streets.

School bus safety is important too. Remember the following:

- Always stop for buses flashing red lights.
- Slow down for flashing amber lights.
- Be cautious around buses that are loading or unloading whether they are flashing their lights or not.
- Always be alert for children.
- Obey posted speed limits.



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ESA-EPE Group Office: Paul Wantuck, Group Leader; Gary Read, Deputy Group Leader; Margaret White, Acting Group Office Administrator; Lisa Lindberg, Writer/Editor.

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